

IN THE SPECIFICATION

Please replace section entitled “Brief Description of the Drawings,” beginning on page 6, line 24, and continuing through page 9, line 8, with the following rewritten paragraph:

The above and other objects, features and advantages of the present invention will become more apparent from the following detailed description when taken in conjunction with the accompanying drawings in which:

FIG. 1A illustrates a conventional operation of reporting a frame reception result in a mobile communication system;

FIG. 1B illustrates another conventional operation of reporting a frame reception result in the mobile communication system;

FIG. 1C illustrates an operation of reporting frame reception results in a mobile communication system according to an embodiment of the present invention;

FIG. 2 illustrates a frame delay generally involved in reporting a frame reception result in the conventional mobile communication system;

FIG. 3A illustrates multiplexing of frame reception result indicator bits in a conventional receiver;

FIG. 3B illustrates the structure of a conventional PCG;

FIG. 4A illustrates the structure of a frame used for the conventional reception result reporting;

FIG. 4B illustrates an embodiment of a frame structure for reception result reporting according to the present invention;

FIG. 4C illustrates another embodiment of the frame structure for reception result reporting according to the present invention;

FIG. 4D illustrates a third embodiment of the frame structure for reception result reporting according to the present invention;

FIG. 4E illustrates a fourth embodiment of the frame structure for reception result reporting according to the present invention;

FIG. 4F illustrates a fifth embodiment of the frame structure for reception result reporting according to the present invention;

FIG. 5 is a block diagram illustrating a base station transmitter in the mobile communication system according to the present invention;

FIG. 6A is a partial block diagram illustrating a mobile station receiver in conjunction with reception of a first traffic channel frame in the mobile communication system according to the present invention;

FIG. 6B is a partial block diagram illustrating a mobile station receiver in conjunction with reception of a second traffic channel frame in the mobile communication system according to the present invention;

FIG. 7A is a partial block diagram illustrating an embodiment of the mobile station transmitter in conjunction with generation of a reverse transmit frame in the mobile communication system according to the present invention;

FIG. 7B illustrates the structure of the reverse transmit frame generated in the receiver shown in FIG. 7A;

~~FIG. 7B~~ FIG. 7C is a partial block diagram illustrating an embodiment of the base station receiver in conjunction with processing the reverse frame received from the receiver shown in FIG. 7A in the mobile communication system according to the present invention;

FIG. 8A is a partial block diagram illustrating another embodiment of the mobile station transmitter in conjunction with generation of a reverse transmit frame in the mobile communication system according to the present invention;

FIG. 8B illustrates the structure of the reverse transmit frame generated in the receiver shown in FIG. 8A;

FIG. 8C is a partial block diagram illustrating another embodiment of the base station receiver in conjunction with processing the reverse frame received from the receiver shown in FIG. 8A in the mobile communication system according to the present invention;

FIG. 9A is a partial block diagram illustrating a third embodiment of the mobile station transmitter in conjunction with generation of a reverse transmit frame in the mobile communication system according to the present invention;

FIG. 9B illustrates the structure illustrating the reverse transmit frame generated in the receiver shown in FIG. 9A;

FIG. 9C is a partial block diagram illustrating a third embodiment of the base station receiver in conjunction with processing the reverse frame received from the receiver shown in FIG. 8A in the mobile communication system according to the present invention;

FIG. 10A is a partial block diagram illustrating a fourth embodiment of the mobile station transmitter in conjunction with generation of a reverse transmit frame in the mobile communication system according to the present invention; and

FIG. 10B is a partial block diagram illustrating a fourth embodiment of the base station receiver in conjunction with processing the reverse frame received from the receiver shown in FIG. 10A in the mobile communication system according to the present invention.

Please replace the paragraph beginning on page 25, line 26 through page 26, line 8 with the following rewritten paragraph:

FIG. 7C is a block diagram of an embodiment of the input reverse frame receiver in the base station in conjunction with the transmitter in the mobile station shown in FIG. 7A according to the present invention. Referring to FIG. 7C, a multiplier 716 despreads an input reverse frame with the same PN code as used in the receiver. The reverse frame is in the format shown in FIG. 4B and FIG. 7B. A second demultiplexer (DEMUX2) 718 demultiplexes the despread signal in time into a pilot signal and multiplexed frame reception result indicator bits. A first demultiplexer (DEMUX1) 720 demultiplexes the separated multiplexed frame reception indicator bits into frame reception indicator bits for the first traffic channel and frame reception indicator bits for the second traffic channel. The DEMUX1 720 and the DEMUX2 718 may be incorporated to an equivalent 3-way DEMUX.